PCG-Z1X/Z1XE PCG-Z1WA/Z1WAMP1/Z1WAMP2/Z1WAMP3/Z1WAP/Z1XFP PCG-Z1XEP/Z1XMP/Z1XSP

PCG-Z1VXCNP/Z1VXCP/Z1VXZLP/Z1XGP/Z1XJP/Z1XLP/Z1XTP/Z1XZC/Z1XZCN

SERVICE MANUAL

Ver 6-2004D

Revision History

Area	Model	Line up	
Japanese	Japanese	PCG-Z1X/P PCG-Z1XE/B	
American	US/Canadian	PCG-Z1WA* PCG-Z1WAP* PCG-Z1WAMP1* PCG-Z1WAMP2* PCG-Z1WAMP3*	
	Latin	PCG-Z1XFP	
European	AEP/UK	PCG-Z1XEP PCG-Z1XMP PCG-Z1XSP	<u></u> (MA)
	International	PCG-Z1XGP	<u></u> (MA)
	Korean	PCG-Z1VXZLP PCG-Z1XLP	<u></u> (MA) <u></u> (MA)
Asian/Oceania/ South Africa	Chinese	PCG-Z1VXCNP PCG-Z1VXCP PCG-Z1XZC PCG-Z1XZCN	★ [MA]★ [MA]★ [MA]
	Taiwan	PCG-Z1XTP	<u></u> [MA]
	Thai	PCG-Z1XJP	<u></u> (MA)





Illust: PCG-Z1X/P











- Design and specifications are subject to change without notice.
- 本機の仕様および外観は、改良のため予告なく変更することがありますが、ご了承ください。

NOTEBOOK COMPUTER



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Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.

Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrence; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the \triangle mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTETION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE & SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉSDANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は、" Revision History " とし て、 本データ末に記載してあります。

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CHAPTER 1. **SPECIFICATIONS**

1-1. Specifications

		J			Α	М			
	PCG-Z1X/P	PCG-Z1XE/B	PCG-Z1WAMP1*	PCG-Z1WAMP2*	PCG-Z1WAMP3*	PCG-Z1WAP*	PCG-Z1WA*	PCG-Z1XFP	
CPU	Pentium-M 1.7 GHz	Pentium-M 1.5 GHz	Pentium-M 1.7 GHz	Pentium-M 1.7 GHz	Pentium-M 1.7 GHz	Pentium-M 1.6 GHz	Pentium-M 1.7 GHz	Pentium-M 1.7 GHz	
LCD	14.1SXGA+								
HDD	60GB	60GB	60GB	60GB	80GB	60GB	60GB	60GB	
MEMORY									
(MAX)	1024MB	768MB	1024MB	1024MB	1024MB	1024MB	1024MB	1024MB	
On Board	512MB	256MB	512MB	512MB	512MB	512MB	512MB	512MB	
SLOT				512MB	512MB				
OPT-DRIVE	DVD-RW9.5	COMBO9.5	COMBO9.5	COMBO9.5	DVD-RW9.5	COMBO9.5	COMBO9.5	COMBO9.5	
Wireless LAN	0	0	0	0	0	0	0	0	
Bluetooth	0	0	0	0	0	0	0	×	
AC Adaptor	PCGA-AC16V6								
Battery	PCGA-BP2V	PCGA-BP2V	PCGA-BP2V	PCGA-BP4V	PCGA-BP4V	PCGA-BP2V	PCGA-BP2V	PCGA-BP2V	
os	XP Professional	XP Home Edition	XP Professional	XP Professional	XP Professional	XP Professional	XP Home Edition	XP Professional	
	ı	1			A [MA]				

		EU						AO					
	PCG-Z1XSP	PCG-Z1XMP	PCG-Z1XEP	PCG-Z1XGP	PCG-Z1XLP	PCG-Z1VXZLP	PCG-Z1VXCP	PCG-Z1VXCNP	PCG-Z1XZC	PCG-Z1XZCN	PCG-Z1XTP	PCG-Z1XJP	
CPU	Pentium-M 1.7 GHz	Pentium-M 1.5 GHz	Pentium-M 1.5 GHz	Pentium-M 1.7 GHz	Pentium-M 1.7 GHz	Pentium-M 1.7 GHz	M 1.7 GHz Pentium-M 1.7 GHz Pentiu		Pentium-M 1.5 GHz	Pentium-M 1.5 GHz	Pentium-M 1.7 GHz	Pentium-M 1.7 GHz	
LCD	14.1SXGA+	14.1SXGA+	14.1XGA	14.1SXGA+	14.1SXGA+	14.1SXGA+	14.1SXGA+	14.1SXGA+	14.1SXGA+	14.1SXGA+	14.1SXGA+	14.1SXGA+	
HDD	80GB	60GB	40GB	60GB	60GB	60GB	60GB	60GB	40GB	40GB	60GB	60GB	
MEMORY													
(MAX)	1024MB	1024MB	768MB	1024MB	1024MB	1024MB	1024MB	1024MB	768MB	768MB	1024MB	1024MB	
On Board	512MB	512MB	256MB	512MB	512MB	512MB	512MB	512MB	256MB	256MB	512MB	512MB	
SLOT			256MB										
OPT-DRIVE	DVD-RW9.5	COMBO9.5	COMBO9.5	DVD-RW9.5	DVD-RW9.5	COMBO9.5	COMBO9.5	COMBO9.5	COMBO9.5	COMBO9.5	DVD-RW9.5	DVD-RW9.5	
Wireless LAN	0	0	0	0	0	0	0	×	0	×	0	0	
Bluetooth	0	0	0	×	×	×	×	×	×	×	×	×	
AC Adaptor	PCGA-AC16V6	PCGA-AC16V6	PCGA-AC16V6	PCGA-AC16V6	PCGA-AC16V6	PCGA-AC16V6							
Battery	PCGA-BP2V	PCGA-BP2V	PCGA-BP2V	PCGA-BP2V	PCGA-BP2V	PCGA-BP2V							
os	XP Professional	XP Professional	XP Home Edition	XP Home Edition	XP Professional	XP Professional							
	<u>∧ [MA]</u>	<u>∧ [MA]</u>		<u>⚠</u> [MA]	<u> </u>	<u> </u>	<u> </u>	<u></u> [MA]	<u> </u>	<u></u> (MA)	<u> </u>	<u>∧ [MA]</u>	

[•] The trademarks or registered trademarks of above table, refer to page 2.

• 本表中の商標・登録商標については、2ページをご参照下さい。

・機種名に(*)がつくのは、CTOモデルです。 組み合わせについては、CTO Informationをご参照ください。 Confidential

[•] The model that is accompanied by astarisk (*) is CTO model. The parts to component for CTO models, refer to CTO Information.

1-2. CTO Information A[MA]

1. PCG-Z1WA/Z1WAP/Z1WAMP1/Z1WAMP2/Z1WAMP3 A[MA]

PCG-Z1W Series CTO Component List Ver.1.0

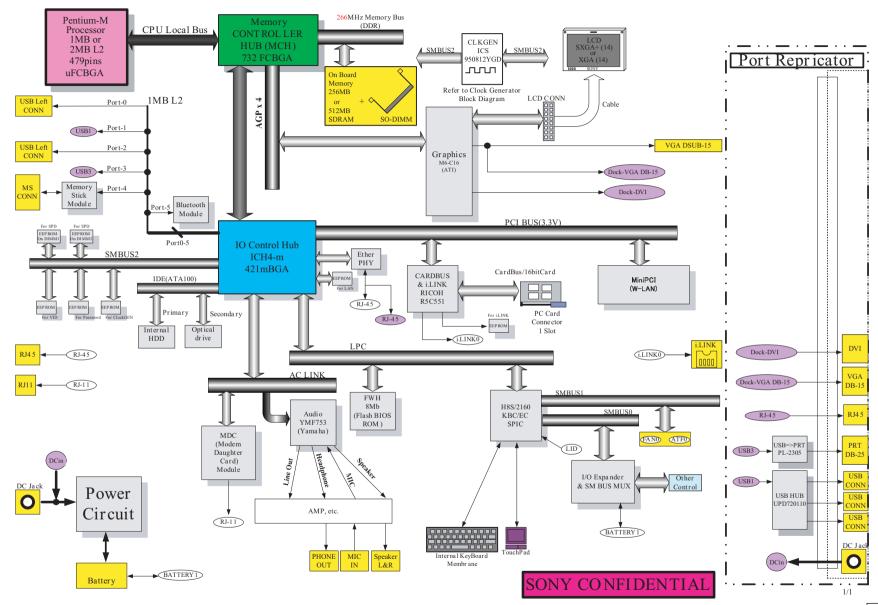
The parts marked "O" are commonly used in all models. For the component of the parts that are not shown here, please refer to the PCG-Z1X* Service Manual.

	O C		Product Code		28167530	28167930	28167630	28167730	28167830
Ref ●1	Configuration Parts		Model Name		PCG-Z1WA*	PCG-Z1WAP*	PCG-Z1WAMP1*	PCG-Z1WAMP2*	PCG-Z1WAMP3*
207	M/B	MBX-71 (B4) (S) (CPI	J 1.7Ghz/Memory (On-Board):512MB)	A-8068-772-A	0	-	0	0	0
207	IM/B	MBX-71 (C4) (S) (CP	U:1.6GHz/Memory (On-Board):512MB)	A-8068-773-A		0	-	-	-
107	HDD	80GB		A-8067-943-A	-	-	-	-	0
107	טטח	60GB		A-8117-585-A	0	0	0	0	-
306	LCD	14SXGA+		A-8114-655-A	0	0	0	0	0
239	Expansion Memory	512MB		A-8068-348-A	-	-	-	0	0
803	Battery	BP2V	A-81		0	0	0	-	-
809	ballery	BP4V		A-8114-139-A	-	-	-	0	0
130	Opt.Drive	COMBO DRIVE		1-796-822-11	0	0	0	0	-
130	Орг. В пуе	DVD-RW		1-796-892-12	-	-	-	-	0
123	W-LAN	Available		1-761-864-11	0	0	0	0	0
-	Office	Bundle		-	-	-	-	-	-
	OS	WinXP Pro		-	-	0	0	0	0
	08	WinXP Home		-	0	-	-	-	-

•1= Reference Number of the "PCG-Z1X Series" Service Manual

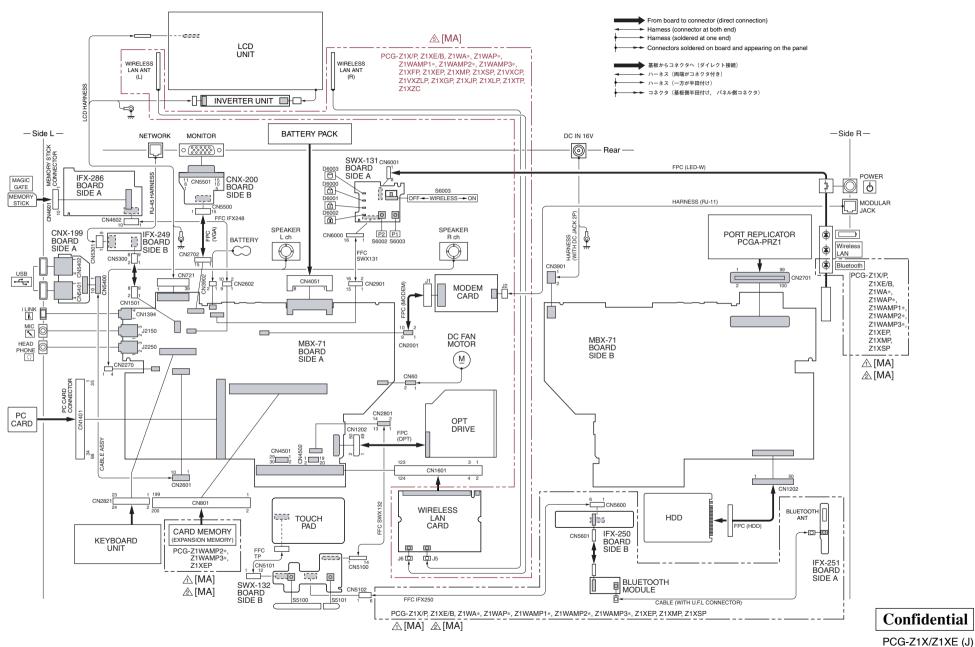
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CHAPTER 2. BLOCK DIAGRAM



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CHAPTER 3. FRAME HARNESS DIAGRAM



CHAPTER 4. EXPLODED VIEWS AND PARTS LIST

 The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below. ・分解図と部品表は、パームレスト、ボトムなどのブロックごと に分かれています。機種によって部品表のセクションが異な りますので、詳細は右下の一覧表を参照してください。

Section	<u>Page</u>
Palmrest	
P-1	4-2
Main Board	
M-1	4-3
Bottom	
B-1	4-4
LCD	
L-1	4-5
L-2	4-6
Accessories	
A-1	4-7
DIP Switch	4-8

NOTE:

- Items marked " * " are not stocked since they are seldom required for routin service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- When two or more parts are shown, use the parts described first as the main part
- The parts marked "\$" are the High Value Modules (HVM).
- The parts marked "#" are the parts on which barcode label is attached.
 For the barcode label, refer to CHAPTER 5.
- The parts marked " & " are the "Customer Replacable parts (CRP) " that can be replaced by Field Customer Support.

Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replacable Parts (CRP), or the non-targetted parts by referring to the exploded view.

 The model that is accompanied by asterisk (*) is the CTO model. The parts to component for CTO models, refer to CTO Information.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Ne les remplacer que par une piéce portant le numéro spécifié.

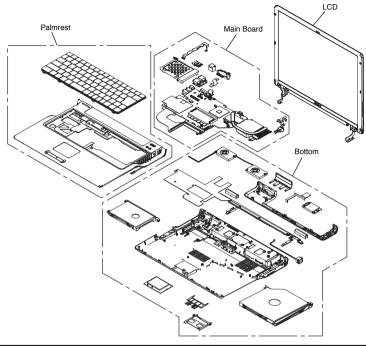
【使用上の注意】

- ・* 印の部品は常備在庫しておりません。
- ・図面番号のない部品は供給しません。
- 併記部品の場合、上部記載部品をメイン部品として使用してください。
- ・部品名称の前に\$ 印のついた部品は、High Value Module (HVM)です。
- ・部品名称の前に#印のついた部品は、バーコードラベル貼付部品です。
- バーコードラベルについてはCHAPTER 5を参照してください。
- ・部品名称の前に&印のついた部品は、お客様窓口などでも交換可能な Customer Replacable Parts (CRP)です。

特に <&> 印のついた部品は、使い分けが必要な部品ですので、分解図で Coustomer Replacable Parts 対象部品か、対象外部品かを必ず御確認 ください。

- 機種名に(*)がつくのは、CTOモデルです。
- 組み合わせについては、CTO Informationをご参照ください。

▲印の部品、または▲印付きの点線で囲まれた部品 は、安全性を維持するために重要な部品です。従っ て交換時は、必ず指定の部品を使用して下さい。

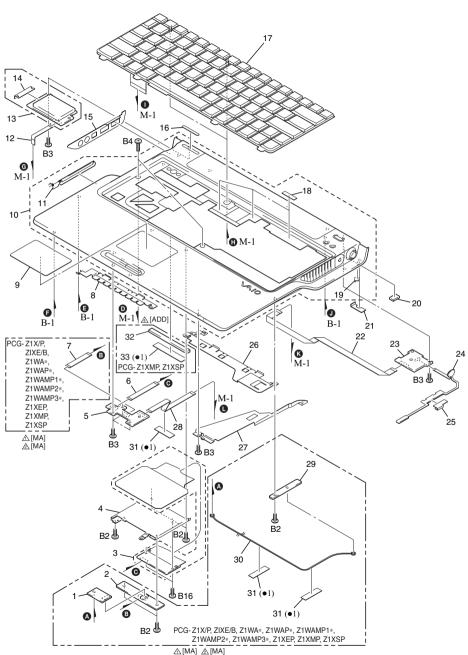


			Palmrest	Bottom	Main Board	LCD	Accessoris
	J	Z1X/P	P-1	B-1	M-1	L-1	A-1
	J	Z1XE/B	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]		Z1WAMP1*	P-1	B-1	M-1	L-1	A-1
⚠[MA]		Z1WAMP2*	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]	AM	Z1WAMP3*	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]	Aivi	Z1WAP*	P-1	B-1	M-1	L-1	A-1
⚠[MA]		Z1WA*	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]		Z1XFP	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]		Z1XSP	P-1	B-1	M-1	L-1	A-1
<u>∧</u> [MA]	EU	Z1XMP	P-1	B-1	M-1	L-1	A-1
		Z1XEP	P-1	B-1	M-1	L-2	A-1
<u></u> [MA]		Z1XGP	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]		Z1XLP	P-1	B-1	M-1	L-1	A-1
<u>∧</u> [MA]		Z1VXZLP	P-1	B-1	M-1	L-1	A-1
<u></u> ▲[MA]		Z1VXCP	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]	AO	Z1VXCNP	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]		Z1XZC	P-1	B-1	M-1	L-1	A-1
<u></u> [MA]		Z1XZCN	P-1	B-1	M-1	L-1	A-1
<u></u>		Z1XTP	P-1	B-1	M-1	L-1	A-1
⚠[MA]		Z1XJP	P-1	B-1	M-1	L-1	A-1
			•	•	•	•	070

*: CTO model

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P-1. Palmrest



ļ	Ref.No.	Part No.	Description	R	ef.No.	Part No.	Description	P-1
	3 4 5 6	1-796-622-11 4-670-302-01 A-8068-777-A \$ 1-824-948-11 4-670-303-01	TOUCH PAD BRACKET (TP) SWX-132 (4) (S) CABLE, FLEXIBLE FLAT (TP) PLATE (PARM REST L)		22 23 24 25 26	1-824-946-11 A-8068-776-A \$ 1-687-010-12 4-673-768-01 4-670-313-02	CABLE, FLEXIBLE FLAT (SWX SWX-131 (4) (S) PWB, FLEXIBLE PRINT (LED-V SHEET (LED B) PLATE (PARM REST R)	,
	9 11 12 13 14	4-670-975-02 4-647-180-01 1-824-947-11 A-8068-781-A \$ # 4-670-314-01	SHEET (TP) COIL SPRING CABLE, FLEXIBLE FLAT (IFX248) IFX-286 (2) (S) SHEET (MS)	•	27 28 31 B2	4-673-648-01	BRACKET (OD) CABLE, FLEXIBLE FLAT (SWX FILAMENT TAPE (W12X30) (● SCREW, M2 (+B) (EG)	1)
	15 18 19 20 21	4-670-294-03 4-669-735-01 4-661-451-01 4-674-011-01 4-675-270-01	ESCUTCHEON (JACK) ADHESIVE TAPE (16SH) ADHESIVE TAPE TOUCHPAD CUSHION (BT) SHEET (PW LED)	•		4-676-936-01 4-672-834-71 4-672-834-91 the FILAMENT TAPE.	+SCREW, M2 +SPECIAL HEAD SCREW, +B EG GRIP SCREW, +B EG GRIP	J SELF S

Ref. No. 1 2 7 10 16	Part No. 1-234-803-21 A-8088-782-A \$ 1-824-949-11 X-4626-401-2 X-4626-401-2 X-2021-699-1 4-680-746-21 4-680-746-31 4-680-746-31 4-680-746-52	Description BLUETOOTH MODULE IFX-250 (4) (S) CABLE, FLEXIBLE FLAT (IFX250) HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY LABEL ID LABEL ID LABEL ID	21X/P	• • • Z1XE/B	• • Z1WAMP1*	• • Z1WAMP2*	• • Z1WAMP3*	● ● Z1WAP*	•	Z1XFP	• Z1XSP	•	● ● Z1XEP	Z1XGP	Z1XLP	Z1VXZLP	Z1VXCP	Z1VXCNP	Z1XZC	ZIXZCN	ZIXIP
1 2 7 10	1-234-803-21 A-8068-782-A \$ 1-824-949-11 X-4626-401-2 X-4626-402-2 X-2021-689-1 4-680-746-21 4-680-746-31 4-680-746-41	BLUETOOTH MODULE IFX-250 (4) (S) CABLE, FLEXIBLE FLAT (IFX250) HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY LABEL ID LABEL ID	•	•	•	•	•	•	•					\exists	4	\exists	\pm	#		#	+
7 10	A-8068-782-A \$ 1-824-949-11 X-4626-401-2 X-4626-402-2 X-2021-699-1 4-680-746-11 4-680-746-21 4-680-746-31 4-680-746-41	IFX-250 (4) (S) CABLE, FLEXIBLE FLAT (IFX250) HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY LABEL ID LABEL ID	•	•	•	•	•	•	•					\dashv	+	\dashv	+	+	+	+	- 1
7 10 10	1-824-949-11 X-4626-401-2 X-4626-402-2 X-2021-699-1 4-680-746-11 4-680-746-21 4-680-746-31 4-680-746-41	CABLE, FLEXIBLE FLAT (IFX250) HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY LABEL ID LABEL ID	•	•	•	•					_	•	• 1								\neg
10 MA]	X-4626-401-2 X-4626-402-2 X-2021-699-1 4-680-746-11 4-680-746-21 4-680-746-31 4-680-746-41	HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY LABEL ID LABEL ID	•				•				•	•	•	\dashv	\rightarrow	\rightarrow	+	+	+	+	-
//A]	X-4626-402-2 X-2021-699-1 4-680-746-11 4-680-746-21 4-680-746-31 4-680-746-41	HOUSING (PALMREST) ASSY HOUSING (PALMREST) ASSY LABEL ID LABEL ID		Ī			•	•	•				•	-	\rightarrow	\rightarrow	\rightarrow	+	+	+	_
-	X-2021-699-1 4-680-746-11 4-680-746-21 4-680-746-31 4-680-746-41	HOUSING (PALMREST) ASSY LABEL ID LABEL ID	•		1	•															
-	4-680-746-11 4-680-746-21 4-680-746-31 4-680-746-41	LABEL ID LABEL ID	•		ł					•				•	•	•	•		• -		•
16	4-680-746-21 4-680-746-31 4-680-746-41	LABEL ID		1	-								\dashv	\dashv	\dashv	\rightarrow		•	_ '	<u>'</u>	_
	4-680-746-31 4-680-746-41				ł																
	4-680-746-41	LABEL ID		•	ł																
					ł									•							
	4-680-746-52	LABEL ID			ł										•						
		LABEL ID		ļ	ļ	ļ										•					
	4-680-746-61	LABEL ID		ļ	ļ	ļ											-				
	4-680-746-71	LABEL ID		l	J	l	ļ													!	•
	4-680-746-82	LABEL ID		l	J	l	ļ										•				_
	4-680-746-91	LABEL ID		l	J	l	ļ											!	•		_
	4-680-747-01	LABEL ID		I	1	l	l		•		LI	1				I	l .				_
L	4-680-747-11	LABEL ID		I	•	•	•				L I	LL			ıl	l					_
	4-680-747-21	LABEL ID		L		I		•				ιΞΙ			I				I.		
	4-680-747-31	LABEL ID		1	1	1				•	-	· T						1-			
	4-680-747-41	LABEL ID		1	1	1					•	· T						1-			
	4-680-747-51	LABEL ID		1	1	1					-	•						1-			
	4-680-747-61	LABEL ID		1	1	1	I				-	. T	•	1		1		1-	1-		-
1A]	4-680-747-71	LABEL ID		1	1	1	1								1	1		•			
1A]	4-680-747-81	LABEL ID		1	1		1													•	-
17	1-477-792-11 #	KEYBOARD UNIT (JP)	•	•								T	\neg	T	T	\neg	\neg	\neg	T	\top	_
	1-477-792-22 #	KEYBOARD UNIT (US)		1	•	•	•	•	•					•			•	•	•	•	-
	1-477-792-31 #	(UK, EFTA)KEYBOARD UNIT (GB)		1	1	1					•	•									-
	1-477-792-41 #	(German)KEYBOARD UNIT (DE)		1	1	1					•	•	•								-
	1-477-792-51 #	(Swiss)KEYBOARD UNIT (CH)		1	1		t				•	•									-
	1-477-792-61 #	(French, Belgium)KEYBOARD UNIT (FR)			t						•	•									-
	1-477-792-71 #	(Italian)KEYBOARD UNIT (IT)		t	+						•	•	+		+	+					-
	1-477-792-81 #	KEYBOARD UNIT (LA)			+					•					+						-
	1-477-792-91 #	KEYBOARD UNIT (KR)			+										•	•					-
	1-478-193-11 #	KEYBOARD UNIT (TW)			+										+	+					•
	1-478-193-21 #	KEYBOARD UNIT (TH)			+										+						-
29	A-8068-783-A \$	IFX-251 (4) (S)	•	•	•	•	•	•	•		•	•	•	\dashv	\rightarrow	+	+	+	+	+	-
30	1-827-266-21	CABLE, COAXIAL (WITH U.F.L CONNECTOR		•	-	•	•	•		Н	•	•	•	\dashv	\rightarrow	\dashv	+	+	+	+	_
30	2-025-293-01	GASKET (CLK)	' •	Ť	┿	Ť	Ť	Ě	H	Н	-	•	-	\dashv	+	+	+	+	+	+	-
32	2-020-290-01	FILAMENT TAPE (W12X40) (●1)	+	\vdash	+	\vdash	\vdash	\vdash	\vdash	\vdash	•	•	\dashv	\dashv	\dashv	+	+	+	+	+	-
				_	[MA]		[MA]	[MA]		[MA]	_	• [MA]	_	[MA]	[MA]	[MA]	_	[MA]		[MA]	_

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The other type is the parts that are different depending on each model.

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PCG-Z1X/Z1XE (J)

M-1. Main Board



	109 B8 B2 222 222 21 B11 217 218 B-1 CB-1 CB-1 CB-1 CB-1 CB-1 CB-1 CB-1
213 P-1 125 B-1 206 208 209 210 211 B-1 B-1 B-1 B-1 B-1 B-1 B-1	B2 112 231 231 232
109 B-1 B-1	234 235 236 237 236 237
Z1WAMP1*, Z1WAMP2*, Z1WAMP3*, Z1WAP*, Z1XFP, Z1XEP, Z1XMP, Z1XSP, Z1VXCP, Z1VXZLP, Z1XGP, Z1XJP, Z1XLP, Z1XTP, Z1XZC	B-1 B-1

Ref.No. Pa	rt No.	Description	Ref.No.	Part No.	Description
112 4-6 125 4-6 * 201 4-6	672-493-01 662-881-02 671-235-01 670-289-01 671-078-01	COVER (SC) CUSHION, KEY BOARD SHEET (M) HEAT SPREADER SHEET (MEMO), THERMAL	228 229 230	4-673-971-02 4-672-944-01 4-672-945-01 1-763-964-12 4-670-332-02	SHEET (CPU) THERMAL SHEET (CPU) GUARD (FIN) DC FAN HOLDER (DC)
206 1-6 208 4-6 209 4-6	671-187-01 687-009-11 670-342-01 670-321-02 694-760-21	SHEET (HS) PWB, FLEXIBLE PRINT (HDD) SHEET (PR) SHEET (PCC) JACK, SMALL TYPE	233 234 235	4-674-795-01 1-961-978-12 4-673-671-01 4-673-670-01 4-671-186-01	SHEET (DC) HARMESS (WITH DC JACK 2P) THERMALPAD (FET) THERMALPAD (COIL) SHEET (BFAN)
212 1-8 213 4-6 214 A-8	694-760-31 817-281-14 670-343-01 8068-778-A 962-080-11	JACK, SMALL TYPE CONNECTOR, PC CARD SPACER (ETHER) IFX-249 (4) (S) HARNESS, RJ-45	238 B2 B6	4-670-291-01 4-671-077-01 4-673-648-01 4-672-834-61	BRACKET (FAN) SHEET (GFX), THERMAL GRIP, M2 (+B) (EG) SCREW, +B EG GRIP
218 1-7 219 1-8 * 220 4-6	8068-779-A \$ 794-548-21 824-973-11 670-331-01 687-013-12	CNX-199 (4) (S) CONNECTOR, USB (A) CABLE ASSY BRACKET (USB) PWB, FLEXIBLE PRINT (VGA)	B9 B11	4-672-834-51 4-673-646-01 4-635-966-01 4-673-751-01	SCREW, +B EG GRIP DIA. (4.6) (M2) SCREW (HEX) NUT (M2) (TYPE2)
* 223 4-6 224 1-7 225 4-6	8068-780-A \$ # 670-329-01 756-038-11 642-711-01 674-010-01	CNX-200 (4) (S) BRACKET (IO) BATTERY, NICKEL HYDROGEN SHEET (BATTERY), ADHESIVE THERMALPAD (MCH)			

				J			ΑN	1			ΕU						ΑO				
Ref. No.	Part No.	Description	Z1X/P	Z1XE/B	Z1WAMP1*	Z1WAMP2*	Z1WAMP3*	Z1WAP*	Z1XFP	Z1XSP	Z1XMP	Z1XEP	Z1XGP	Z1XLP	Z1VXZLP	Z1VXCP	Z1VXCNP	Z1XZC	Z1XZCN	Z1XTP	Z1XJP
207	A-8068-772-A \$ #	MBX-71 (B4) (S)	•	t	•	•	•	٦,	• •	•			•	•	•	•	•			•	•
	A-8068-773-A \$ #	MBX-71 (C4) (S)			†	†		•													
	A-8068-774-A \$ #	MBX-71 (D4) (S)			1	1					•										
	A-8068-775-A \$ #	MBX-71 (E4) (S)		•	1	1						•						•	•		
239	6-705-094-01	IC M470L3224FTO-CB3						1				•									Т
	A-8068-348-A	COMPLETE PWB MM-10A		Ĭ	T	•	•			1											
		o different types of parts.			.WA][₩	[MA]	[MA]		MA W	[MA]	WA][₩		[MA] [⊳	[MA]	[MA] [⊳	[MA] №	[MA] [≫	.MA] ₪	[MA]	.MA]	MA] [A

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B-1. Bottom



	143 (●2)
116	
	. 4
108 109 M-1	DB2
107	
B2 114	
112	
	112
M-1 M-1	
B1 @	B2
106 M-1 M-1	
112 149 113	B10 @
PCG-Z1VXCNP, Z1VXCP, 148	
Z1XZC, 2100 111	M-1 B2 B10 B10
Z1XZCN B9 //	
<u></u> [MA]	0 N _{M-1}
	112
110	142 (•1)
105 M. I M-1	1112
105 M-1 M-1 O M-1	109
M-11 W.	PCG-Z1X/P, Z1XE/B, Z1WA*, Z1WAMP1*,
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Z1WAMP2*, Z1WAMP3*, Z1WAP*,
	Z1VXCP, Z1VXZLP, Z1XGP, Z1XJP,
	101
M-1	B2
104 P.III 0	
P-1 G	P B3
0	M-1 122
M-1	
	144
	125 124
B8.	
#B8	126 PCG-71Y/P 71YF/R
146 103 M-1	141 \
102	B16 107 B13 114
147 146 B16	140 B6 M-11 M-12
146 B6 B16	
	150 (•1)
145 PCG-Z1VXCNP, Z1VXCP,	139 B2
Z1XZC, Z1XZCN	130 (• 1)
<u> </u>	
133	129
	135 B13 \ 131 130
138	134
101	133
7	
₿B6 137	132
♣ B7	136

Re	ef.No.	Part No.		<u>Description</u>	Ref.No.	Part No.		Description
	101	4-673-387-01		SHEET (BHF)	132	4-670-318-03		COVER (BT)
	102	4-671-053-01	&	SHEET (SCREW S)	133	4-670-335-03		LEVER, RELEASE
	103	4-670-341-01	&	SHEET (SCREW)	134	4-671-074-01		LABEL (DOOR IO)
	104	4-670-340-01		SHEET (BT)	135	4-635-956-01		SPRING (B), COMPRESSION COIL
	105	4-673-386-01		SPACER (P)	136	4-670-338-02		KNOB (BR)
*	106	4-670-328-01		BRACKET (HDR)	137	4-670-336-02		KNOB (BL)
*	108	4-670-327-01		BRACKET (HDL)	138	4-670-325-01	&	
		4-672-493-01		COVER (SC)		X-4625-671-2		DOOR (IO) ASSY
		4-670-319-01		COVER (PR)		4-670-324-03	#	HOUSING (BOTTOM)
*	111	4-670-333-02		LOCK (PR)	141	4-673-385-01		SHEET (GP)
	112	4-662-881-02		CUSHION, KEY BOARD				FILAMENT TAPE (W12X30) (●1)
	113	1-825-310-12		SPEAKER, BOX WITH (2.3CM)				KAPTON TAPE (W10X20) (●2)
		4-675-315-01		SHEET (K1035)	150			FILAMENT TAPE (W9X70) (●1)
		1-761-606-14		CARD, MODEM				
	116	1-687-012-11		PWB, FLEXIBLE PRINT (MODEM)		4-672-839-01		HEAD, M3 FLAT
						4-673-648-01		GRIP, M2 (+B) (EG)
		4-674-429-01		THERMAL PAD (GFX)		4-676-936-01		+SCREW, M2 +SPECIAL HEAD SELF S
		4-670-320-01		SHEET (MDC)		4-672-834-61		SCREW, +B EG GRIP
		4-670-345-05		COVER (HINGE)	B7	4-672-834-81	&	SCREW, +B EG GRIP
		4-670-322-04		BASE, DISPLAY				
	124	4-671-461-01		TAPE (M)		4-672-834-51	&	SCREW, +B EG GRIP
					B9	4-673-646-01		DIA. (4.6) (M2)
		4-671-235-01		SHEET (M)		4-673-647-01		M2 (+BSW)
		1-962-037-11		HARNESS (RJ11)		4-671-538-01		SCREW (M2X4), SPECIAL HEAD
		1-687-011-11		PWB, FLEXIBLE PRINT (OPT)	B16	4-672-834-91	&	SCRWE, +B EG GRIP
		4-670-346-01		BRACKET (ODR)			. DE	
-	131	4-670-330-01		BRACKET (ODL)		the FILAMENT T		
					■2. Use 1	the KAPTON TAI	Ή.	

				J			Α	М				EU						AO				
Ref No.	Part No.	Description	Z1X/P	Z1XE/B	Z1WAMP1*	Z1WAMP2*	Z1WAMP3*	Z1WAP*	Z1WA*	Z1XFP	Z1XSP	Z1XMP	Z1XEP	Z1XGP	Z1XLP	Z1VXZLP	Z1VXCP	Z1VXCNP	Z1XZC	Z1XZCN	Z1XTP	
107	A-8067-943-A \$ #	ASSY HDD 80GB (I. 40) (S)				T	•			Н	•											t
	A-8111-360-A \$ #	ASSY HDD 60GB (T. 30) (S)			 	ł	 								•	•	•	•	·		•	†
	A-8117-585-A \$ #	ASSY HDD 60GB (H. 40) (S)	•	•	•	•	†	•	•	•		•		•								t
	A-8117-059-A \$ #	ASSY HDD 40GB (H. 40) (S)			·	·							•						•	•		t
117	4-672-491-01	SHEET (FIN)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	1
118	1-400-255-11	FERRITE CORE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	Ŧ
123	1-761-660-13	CARD, WIRELESS LAN (CLX11B 11CH)											•								•	1
	1-761-660-23	CARD, WIRELESS LAN (CLX11B 14CH)			ļ	†	†							•	•	•	•		•			1
	1-761-784-11	CARD, WIRELESS LAN	•	•	ļ	†	†															1
	1-761-864-11	CARD, WIRELESS LAN			•	•	•	•	•	•												1
	1-761-864-31	CARD, WIRELESS LAN				1					•	•										1
129	X-4625-673-2	BEZEL (ODP) ASSY		•	•	•		•	•	•		•	•			•	•	•	•	•		T
	X-4626-570-1	BEZEL (ODPW) ASSY	•			1	•				•			•	•						•	1
130	1-796-822-11 \$ #	COMBO DRIVE (UJDA755, 9.5MM)		•	•	•		•	•	•		•	•			•	•	•	•	•		T
	1-796-892-12 \$ #	DVDRW (UJ-812, 9.5MM)	•				•				•			•	•						•	-
144	4-674-985-01	SHEET (MINI-PCI)	•	•																		Ι
145	4-679-415-01	PLATE (UL) 1															•	•	•	•		I
146	4-676-302-01	TAPE (COMMON)															•	•	•	•		Ι
147	4-679-417-01	SPACER (UL) 1															•	•	•	•		Ι
148	4-679-416-01	PLATE (UL) 2															•	•	•	•		I
149	4-679-418-01	SPACER (UL) 2															•	•	•	•		I

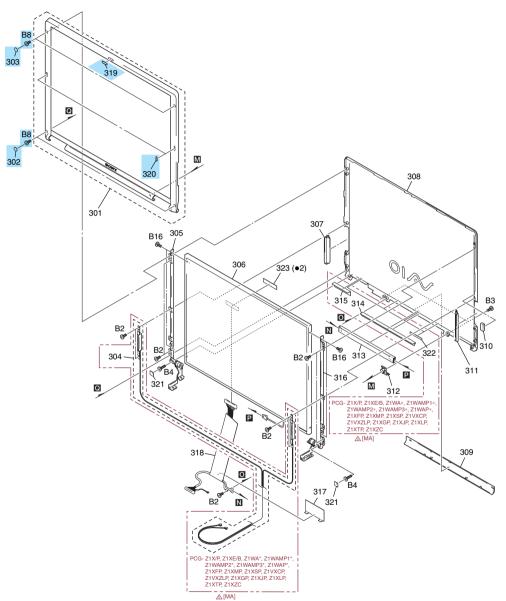
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L-1. LCD 14-inch SXGA+ - Made by TS-





Ref.No.	Part No.		Description
302 303 305	X-4625-667-3 4-671-221-02 4-670-189-01 4-669-620-03 A-8114-655-A \$ #	& &	
308 309 310	4-669-613-02 A-8114-751-A 4-669-615-04 4-669-622-01 4-669-614-02		COVER (WLL) DISPLAY ASSY (S) COVER (DISPLAY) MAGNET COVER (WLR)
313 316 317	4-669-612-02 1-477-753-11 4-669-621-03 4-671-222-01 1-961-999-21		COVER (CABLE) INVERTER UNIT HINGE (R) SHEET (LH) HARNESS, LCD (SXGA+)
320 321	4-670-188-01 4-670-190-01 4-675-342-01	& &	CUSHION (CENTER) CUSHION (SIDE) SHEET (HIS) KAPTON TAPE (W10X30) (●2)
B3 B4 B8	4-673-648-01 4-676-936-01 4-672-834-71 4-672-834-51 4-672-834-91	&	SCREW, M2 (+B) (EG) +SCREW, M2 +SPECIAL HEAD SELF S SCREW, +B EG GRIP SCREW, +B EG GRIP SCREW, +B EG GRIP

Use the KAPTON TAPE.

				J			Α	М			Εl	J					AC				
			Z1X/P	Z1XE/B	Z1WAMP1*	Z1WAMP2*	21 WAMP3*	Z1WAP*	Z1WA*	Z1XFP	Z1XSP	Z1XMP	Z1XGP	Z1XLP	Z1VXZLP	Z1VXCP	Z1VXCNP	Z1XZC	N.	Z1XTP	Z1XJP
Ref. No.	Part No.	Description		1	'~	17	'7														
304	1-754-292-12	ANTENNA (2.4GHZ L AND R)	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•
314	4-675-311-01	SHEET (WLCL)	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•
315	4-673-641-01	SHEET (CORNER)	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	П	•	•
322	4-675-312-01	ADHESIVE TAPE (WLCL)	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	П	•	•
. Th:		wo different types of parts.	'		[MA]	[MA]	[MA]		[MA]		[MA]	[MA]	A V	A E	[MA]	A V	[MA]	[MA]	<u>₩</u>	[MA]	<u>_</u>

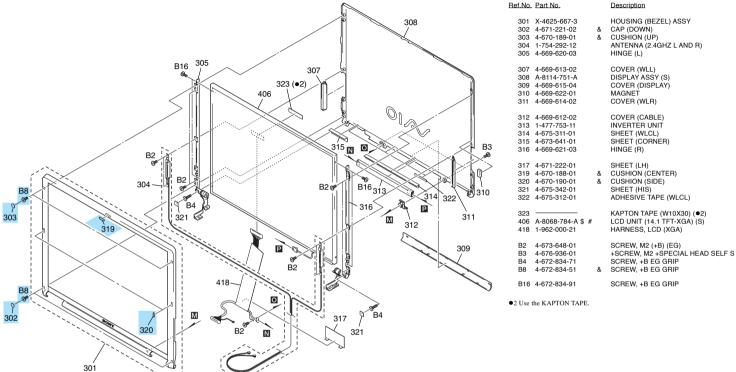
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L-2. LCD 14-inch XGA



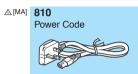


A-1. Accessories

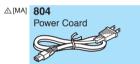








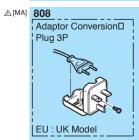












 Ref.No.
 Part No.
 Description

 △ 801
 1-477-749-51 \$ & ADAPTOR, AC

					J			Α	М				ΕU						ΑO			_
Ref. No.	Part No.		Description	Z1X/P	Z1XE/B	Z1WAMP1*	Z1WAMP2*	Z1WAMP3*	Z1WAP*	Z1WA*	Z1XFP	Z1XSP	Z1XMP	Z1XEP	Z1XGP	Z1XLP	Z1VXZLP	Z1VXCP	Z1VXCNP	Z1XZC	Z1XZCN	Z1XTP
1 802	1-782-476-22	æ	CORD. POWER	-					\vdash	\dashv	\neg							•	•	•	•	
	1-790-732-32		CORD, POWER	•	•																	
803	A-8114-136-A \$		BP2V (J) ASSY (S)	•	•				\dashv	\dashv												
	A-8114-137-A \$		BP2V (U) ASSY (S)			•			•	•												
	1-756-328-22 \$		BATTERY PACK, LITHIUM ION (PCGA-BP2V)								•	•	•	•	•	•	•	•	•	•	•	
1 804	1-757-562-21		CORD, POWER			•	•	•	•	•	•	Ť	Ť	_	Ť	Ť	Ť	Ť	_	Ť	_	•
1 805	1-555-074-32	-&	•	\vdash	\vdash	_	Ť	Ė	-	-	Ť	\dashv			•			Н		\vdash		Ť
\$ 806	1-575-131-61	_	CORD. POWER							\dashv		•	•	•	Ť							
1 807	1-823-947-32	_	POWER-SUPPLY CORD				\vdash		\vdash	\dashv		Ť	Ť	_	-	•	•	\vdash				
808	1-770-019-12		(UK)ADAPTOR, CONVERSION PLUG 3P	\vdash	\vdash		\vdash		\vdash	\dashv	_	•	•		-	_	-	Н		\vdash		
809	A-8114-139-A \$		BP4V (U) ASSY (S)				•	•		\dashv		Ť	Ť									г
810	1-823-935-51		CORD, AC POWER	\vdash			Ť	Ť	\vdash	\dashv	_				•			Н				
-	1-816-429-12	- &	•	\vdash	\vdash		\vdash		\dashv	\dashv		•	•		Ť			Н		\vdash		
	4-671-788-01		(German)GETTING STARTED							\dashv		Ť	Ť	•								г
	4-681-921-01		GETTING STARTED									•	•									
	4-679-658-21		INSTRUCTION MANUAL (XP Professional)									-	-									
	4-679-659-31		INSTRUCTION MANUAL (XP Professional)															•	•			
	4-681-914-01		INSTRUCTION MANUAL	•	•																	
	4 001 314 01	u	(XP Professional, XP Home Edition)	ľ	-																	
	4-682-152-11	 &	INSTRUCTION MANUAL (XP Professional)												•							
	4-682-152-21		INSTRUCTION MANUAL (XP Professional)													•						
	4-682-152-41		INSTRUCTION MANUAL (XP Professional)																			
	4-682-153-31		INSTRUCTION MANUAL (XP Home Edition)																	•	•	
-	4-681-393-01		QUICK START			•	•	•	•	•										Ť	-	
	4-683-174-01		QUICK START								•											
	4-681-920-11		(UK/EFTA)HW SPECS				Н			\dashv	-	•	•		_			Н				г
	4-681-920-21		(German/Swiss)HW SPECS									•	•									
	4-681-920-31		(Swiss/French/Belgium)HW SPECS									•	•									
	4-681-920-41		(Italian)HW SPECS									•	•									
	4-681-920-51		(EFTA/Belgium)HW SPECS									•	•									
		_	(=: :: = = = : : : : : : : : : : : : : :	_	_	_	_	$\overline{}$	\forall	$\overline{}$	_				$\overline{}$	$\overline{}$	_	$\overline{}$	_	$\overline{}$	Δ	_
			different types of parts.			[MA]	[MA]	8	[MA] ₪	4	8	[MA]	4		[MA]	Α.	$\frac{4}{2}$	4	A	[MA]	A	[MA]

This parts list contains two different types of parts.
 The first type is the parts that are common to all models.
 The other type is the parts that are different depending on each model.

・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。

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DIP Switch

The DIP switch setting is following table.

DIP スイッチの設定は下の表をご覧ください

Set the DIP switch on the MBX-71 board (Main board) to match with the LCD that is used in this computer.

MBX-71 Board (メインボード) のDIPスイッチは、下図のように本機で使用するLCDに合わせて設定します。

PCG-Z1X/P, Z1XE/B (J)

PCG-Z1WA*, Z1WAP*, Z1WAMP1*, Z1WAMP2*, Z1WAMP3*, Z1XFP (AM) \(\int \) [MA] \(\int \) [MA] \(\int \) [MA]

PCG-Z1XMP, Z1XSP (EU) △ [MA]

PCG-Z1VXCNP, Z1VXCP, Z1VXZLP, Z1XGP, Z1XJP, Z1XLP, Z1XTP, Z1XZC, Z1XZCN (AO) \(\text{Ma} \) [MA] \(\text{MA} \) [MA]



The lower position where ON indication is shown is the ON position.

The upper position is the OFF position.

下側(ONと表記のある側)がON、上側がOFF

No.	1	2	3	4
ON/OFF	1	0	1	1
0	: 01	J	1: 0)FF

PCG-Z1XEP (EU)



The lower position where ON indication is shown is the ON position. The upper position is the OFF position.

下側(ONと表記のある側)がON、上側がOFF

No.	1	2	3	4
ON/OFF	0	1	1	1
0	: 01	1	1: C	FF

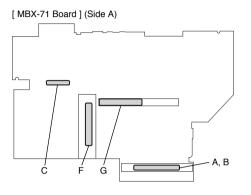
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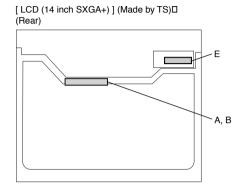
CHAPTER 5. OTHERS

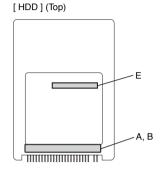
5-1. The Barcode Label

The hatched portion of the barcode label is used as the repair data.

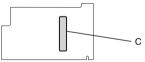
バーコードラベルの網掛け部は、修理データとして使用いたします。



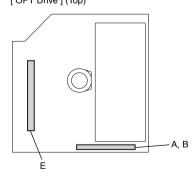




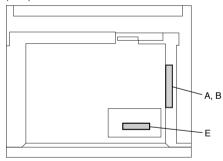
[IFX-286 Board] (Side B)



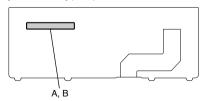
[OPT Drive] (Top)



[LCD (14 inch XGA)] (Made by SA)□ (Rear)



[KEYBOARD] (Rear)



A :Part No.
B :Serial No.
C : Revision No.
D :Product Code
E : Maker Barcode
F :Global User ID (iLink)

G :Mac Address :Barcode

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List of PCG-Z1 Series (As of April, 2004)

Service Manual		Model	Name	
Parts No.	J	AM	EU	AO
9-876-075-XX	PCG-Z1/P PCG-Z1T/P			
9-876-076-XX		PCG-Z1A		
9-876-078-XX		PCG-Z1FP		
9-876-077-XX			PCG-Z1M PCG-Z1MP PCG-Z1SP	
9-876-079-XX				PCG-Z1GP
9-876-080-XX				PCG-Z1LP
9-876-331-XX	PCG-Z1R/P PCG-Z1RT/P			
9-876-339-XX		PCG-Z1RA		
9-876-340-XX			PCG-Z1RMP PCG-Z1RSP	
9-876-332-XX				PCG-Z1RGP
9-876-333-XX				PCG-Z1RLP
9-876-335-XX				PCG-Z1RCP
9-876-334-XX				PCG-Z1RTP
9-876-345-XX	PCG-Z1V/P PCG-Z1VE PCG-Z1VT/P	PCG-Z1VA* PCG-Z1VAP1* PCG-Z1VAP2* PCG-Z1VFP		PCG-Z1VCP PCG-Z1VGP PCG-Z1VJP PCG-Z1VLP PCG-Z1VTP

Service Manual		Model	Name	
Parts No.	J	АМ	EU	AO
9-876-362-XX	PCG-Z1X/P PCG-Z1XE/B	PCG-Z1WA* PCG-Z1WAP* PCG-Z1WAMP1* PCG-Z1WAMP2* PCG-Z1WAMP3* PCG-Z1XFP	PCG-Z1XEP PCG-Z1XMP PCG-Z1XSP	PCG-Z1VXCNP PCG-Z1VXCP PCG-Z1VXZLP PCG-Z1XGP PCG-Z1XJP PCG-Z1XLP PCG-Z1XTP PCG-Z1XTC

* : CTO model

: Additional Models

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2004.01.21	First Edition	
-02	Ver. 2	2004.02.02		N2004_013AK
-03	Ver. 3	2004.02.23		N2004_018Ak
-04	Ver. 4	2004.03.29		N2004_040Ak
-05	Ver. 5	2004.03.29	⚠ Front Page, Page 4-2, Back Cover	N2004_041Ck
-06	Ver. 6	2004.04.22	♠ Front Page (Model Line Up), Page 1-1, Page 3-1, Page 4-1, Page 4-2, Page 4-3, Page 4-4, Page 4-5, Page 4-7, Page 4-8, Back Cover	N2004_044AK
<	Remarks	>>		

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